

2050-100-IP

ODOR CONTROL SYSTEMS



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2050-100-IP

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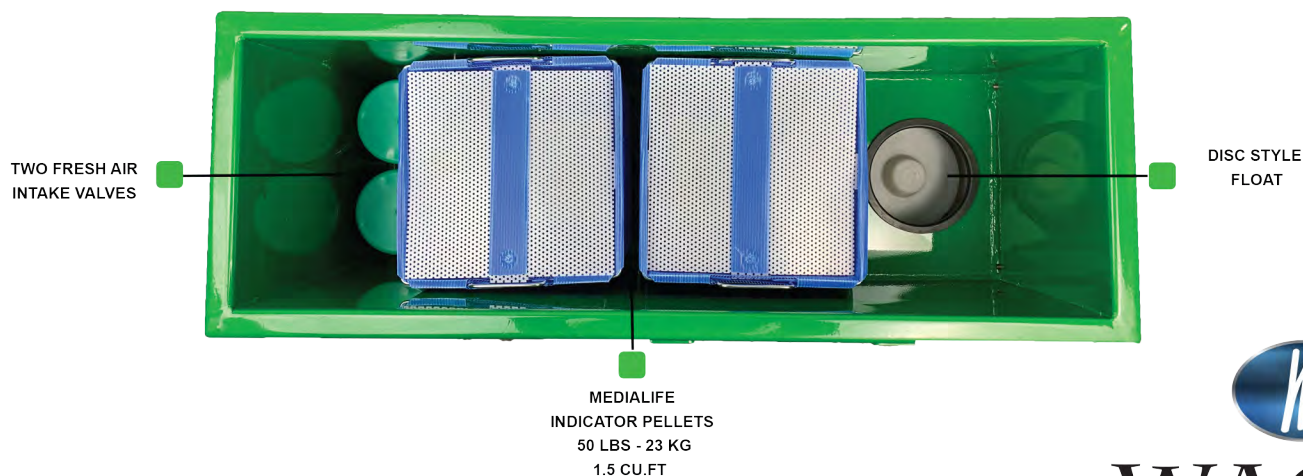
The 2050-100-IP is a combined odor control vent valve, with the additional feature of Wager's highly effective vertical vent check valve. This system is designed specifically in areas where lift stations or gravity lines are subject to flooding.

The 2050-100-IP is constructed from aluminum, and is epoxy coated grass green so that it fits nicely into the surrounding environment. It has 4 louvered vents to allow for maximum air flow of deodorized air. H₂S gas is directed thru two canisters containing 50 lbs (23kg, 1.5 cu.ft) of odor controlling media. The media is an engineered product, designed to chemically absorb the H₂S gas and change it to a non-toxic compound. Our custom Power-4 permanganate is also included as a polisher. A mist eliminator pad is incorporated into the unit to prevent exiting moisture from damaging the media bed.

During a flood event, our disc style float located just outside of the media chamber will rise to a buna seat, preventing water and debris from entering the inside of the system and destroying the media.



TOP VIEW



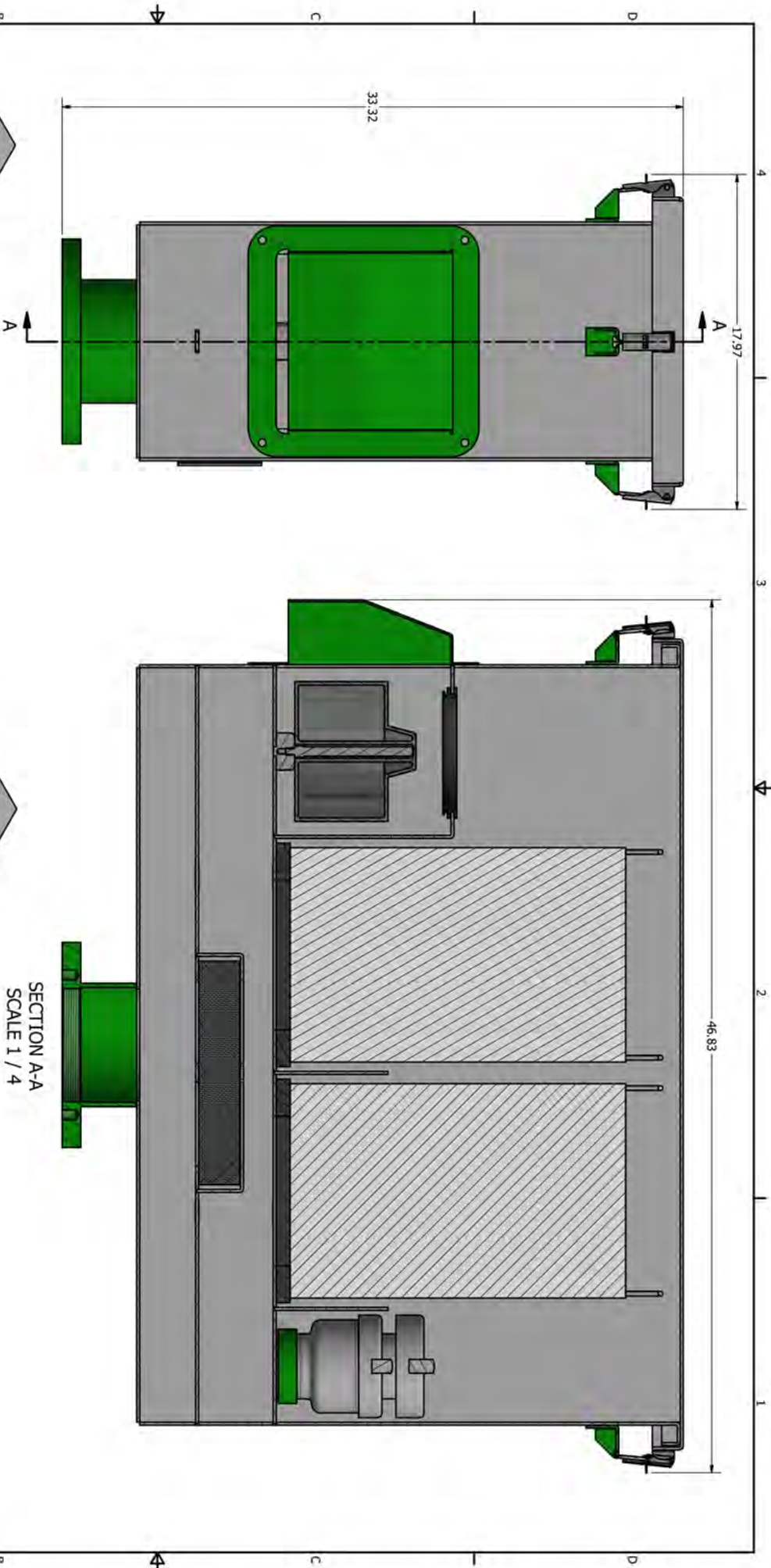
SPECIFICATIONS

2050-100- FAPC- IWS-IP	MEDIA CAPACITY Est. 100 LBS. (46kg)	2 CANISTER	2 INTAKE VALVES	1 MIST PADS	EST CFM. 120-150
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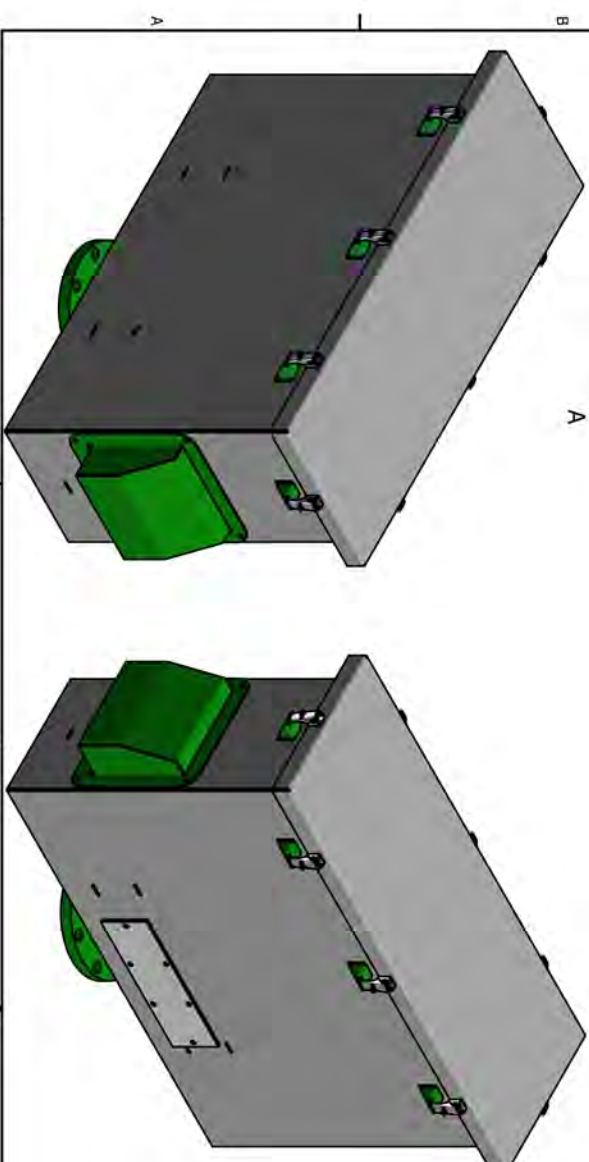


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SECTION A-A
SCALE 1 / 4



DRAWN	Shady	8/20/2019	ROBERT H. WAGER CO., INC.	
CHECKED			TITLE	
QA			2050-100 INFLOW PREVENTER, VERTICAL	
ING			MOUNT	
APPROVED			SIZE	
			C	
			DWG NO	
			2050-100-IP	
			SCALE	
			1 / 4	
			SHEET 1 OF 1	
			REV	

2050-100-IP

SPECIFICATIONS

- A.** This specification defines the requirements for a Wager Vent Scrubber 2050FAPC-IWS-100-IP manufactured by Wager Company in Rural Hall, NC.
- B.** The 2050FAPC-IWS-100-IP consists of dry-scrubbing media contained in a fabricated aluminum plate housing, powder coated, grass green with a 4" or 6" inlet.
- C.** The 2050FAPC-IWS-100-IP shall contain 100 lbs of dry-scrubbing media that is engineered for the removal of H₂S gas. The media is contained in a corrugated plastic container that is 11" x 11" in size.
- D.** The airflow shall be designed for passive applications. The configuration shall be arranged so that the contaminated air shall flow from the bottom flange and be forced upward through the media bed and discharged through ventilated openings.
- E.** The vent check intake contains 316ss, ¼ x ¼ mesh screen, a disc style float, buna seat, 316 guide rod.
- F.** The 2050FAPC-IWS-100-IP contains TWO air admittance valves. They intake directly into the lines without any restrictions from the unit's media bed. This assures continued airflow during pumping sequences needed with air release valves, and with a vacuum sewer system where outside fresh air is required for system operation.
- G.** All components of the 2050FAPC-IWS-100-IP shall include:
1. A fabricated aluminum plate body, powder coated grass green
 2. 100 lbs of odor controlling media engineered in pellet form
 3. 4" or 6" flanged connection – Optional metric flange
 4. Tamper proof lockable hook and security latches
 5. Disposable media corrugated plastic insert
 6. (1) Polyethylene disc style float
- H.** Vent Scrubber Material
1. Fabricated Aluminum plate
 2. Corrugated plastic canister measuring 11 ½" x 11 ½"
 3. Latches in 316SS
 4. Hooks in 316SS
 5. 100 lbs of odor controlling media for removal of H₂S gas and topped with a layer of POWER-4 Permanganate.
 6. 4" or 6" Flanged Connection with 7.5" (191mm) bolt circle – Optional metric flange
 7. Plastic vent scrubbers that contain activated alumina media or carbon will not be accepted.
 8. Media must be Non-Hazardous before and after it is spent.
- I.** Media Specification
1. Moisture Content: 35% Max
 2. Crush Strength: 35%-70% Max
 3. Abrasion: 4.5% Max
 4. Pellet Diameter: 1/16" – ¼" (1.5mm-6.5mm)
- J.** Wager media only will be accepted due to the high level of capacity. No equals will be accepted. Carbon will not be accepted.
- K.** Only UL certified media will be accepted in Wager's vent scrubber.
- L.** If other media's are used in this unit, it must be designed to be 25% larger with a minimum of 25% additional media.
- M.** The general contractor is responsible for all design cost changes, engineer review time, and testing verification.
- N.** Analytical Services:
1. Samples of the media may be analyzed in order to predict the life of the system media at Wager's expense.



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SPECIFICATIONS

O.. Built in Water Separator / mist eliminator

1. The body of the water separator is constructed from 50-52 H32 aluminum plate and is epoxy coated for protection from harsh environments.
2. The overall measurements of the unit are 26.25" x 31.25" x 35"
3. 10" flanged threaded aluminum connection provided for attaching to the 2050-1350
4. A Kerick Valve Assembly with float allows for excess accumulated water to be expelled.
5. An inlet stem provides an exit for accumulated moisture from the air release valve.
6. A Nitrile gasket allows for a tight fit of the aluminum plate cover.

P. Mist Eliminators

1. Highest collection efficiency of ANY mesh-type media: 99+% @ 1 μ m.
2. Composite pads of various mesh styles allow for optimization of efficiency, pressure drop, and pluggage resistance.
3. Able to handle the widest range of gas velocities and contaminant levels.
4. High void spaces (94-97%) and the largest fiber diameters contribute to the highest resistance to fouling.
5. Lower pressure drops than traditional knitted mesh.
6. Custom fabrication to conform to any Wager 2050 series.
7. The media is cleanable & reusable for extended service life in the harshest environments.
8. Wide range of materials of construction available, including polypropylene, PVDF, ETFE and PFA, to meet any level of temperature and corrosion requirements.



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2050-100-IP

INSTALLATION GUIDE



1. Unlatch the lid and remove the lid from the body of the valve. The media canisters are wrapped in plastic for delivery. Remove the wrapped media canisters by lifting up on the handles provided on each of the media canisters.



2. Ensure all of the original plastic wrap is removed from the canisters before reinstalling. Media is in pellet form and should move freely to allow air to vent through. To check the media, pull up on the blue tab on the media canister lid. Check that the media pellets are dry.



3. Reinstall media canisters ensuring they are flush with the valve's inner chamber.



4. Secure the lid with the four lockable latches.

2050-100-SA PICTURED- MODEL 2050-100-IP FOLLOW THE SAME STEPS.



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2050-100-IP

INSTALLATION INSTRUCTIONS

- Pour a concrete pad with bolts in place for slated feet on the unit.
- If preferred, a level crush stone pad may be used in lieu of concrete.
- Set the 100-IP on pad or stone, and bolt it down.
- Remove media from the unit.
- If the 100-IP is being used in conjunction with an ARV, get a complete blowout of the ARV so that there is no big slug of air through the media bed.
- Unwrap the media canisters and place in the unit.
- Reinstall the 100-IP cover, and lock down.



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2050-100-IP

REPLACEMENT PARTS LIST

AAU-100-SET-IP	2050-100-IP BODY
AAU-100-LID-IP	2050-100-IP COVER
VRV-2050	2050 VACUUM RELIEF VALVE
OCU-2050-50	50 LB. CARTRIDGE ODOR CONTROL MEDIA
233-GASKET-3	GASKET, 3.0 "I.D.x 3.5" O.D.
FLNG GASKET 6-4	6-4 FLANGE GASKET
SV- LATCH	UNDER CENTER DRAW LATCH
2500 ACFM	MIST ELIMINATOR PAD
AAU-50-7-G	2050 DOOR GASKET
FLT-7.5P-D	7.5" FLOAT POLY DISC
1500-6-G	GASKET 6" 1500 SERIES
1500-6-GR	GUIDE ROD, 6" 1500 SERIES



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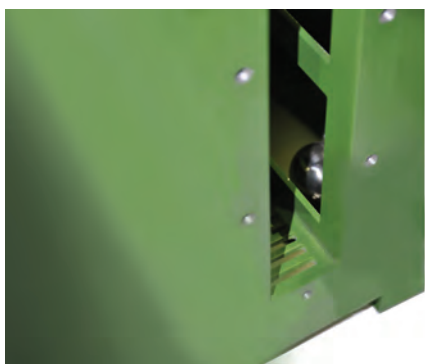
MAINTENANCE GUIDE



1. Unbolt water separator access plate. Inspect bolts, washers, and gasket. Remove water separator pad.



2. Wash water separator pad with hose.



3. With the water separator pad out, inspect float drain assembly. Remove any debris and ensure drain is clean.



5. Inspect the media. Make sure it is dry. Shake or stir media pellets inside canisters every 3-6 months for maximum media life.



4. Reinstall water separator pad and bolt access plate back onto the body.



6. Secure the lid with the four locable latches.

2050-100-SA PICTURED. THE STEPS FOR 2050-100-IP ARE THE SAME.



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TEST PROCEDURES

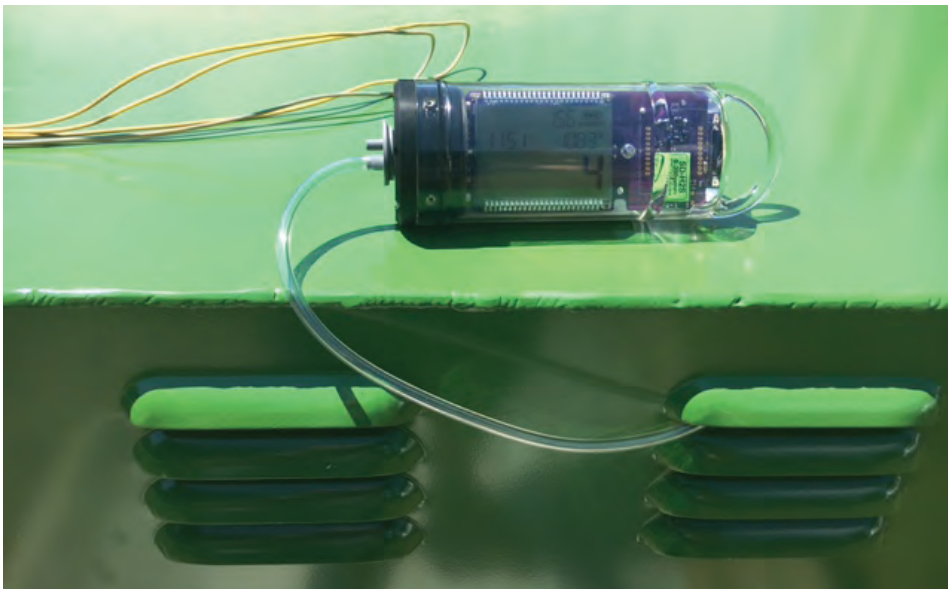


(Example of Side flange procedure.)



(Example of bottom flange procedure.)

1. Place Odor Logger in the bottom chamber of the unit, below the media baskets.



2. Place Odor Logger on top of media baskets, or place tube through the vent louvers.



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MEDIA INDICATOR STICKERS



Replace Filter

Over Exposed

Operating Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches
- Remove indicator sticker from the packaging pouch.
- Peel off the protective liner to expose the bottom adhesive (Figure 1).
- Hold the sticker from the edges, as shown in Figure 2, and place it on center clean area of the filter's outlet with the reading area (glossy surface) of the sticker facing up.
- Press firmly to attach sticker to the filter's outlet (Figure 3).
- Replace filter when the reading area of the indicator changes color to brown or black.

*Caution: Do not touch bottom adhesive or the exposure area.

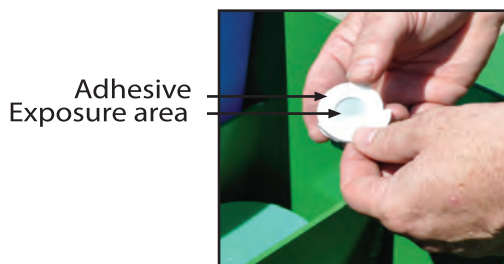


Figure 1



Figure 2

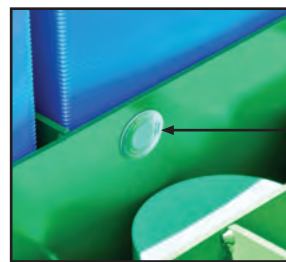


Figure 3



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WAGER SLATES

WARRANTY ACTIVATION GUIDE

TO ACTIVATE YOUR WARRANTY

- Download the APP on your smartphone or tablet (ios or android) SLATE PAGES
(The Slate Pages LLC)
- Open the APP.
- Create your profile.
- Scan the QR Code on the Wager unit.

UNDER ACTIVATE WARRANTY:

- Tap Activation Date and enter it.
- Tap Contact information and enter it.
- Tap Installation Instructions and review.
- Capture GPS location.
- Capture installation photo (optional)..
- Tap Save (Upper Right Corner).



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